

IRRIGATION MAINTENANCE TECHNICIAN

DEFINITION

Under general supervision, to perform skilled and semi-skilled work in the inspection and maintenance of irrigation systems and related equipment; to provide technical support to the Public Works department; and to perform related work as required.

CLASS CHARACTERISTICS

This is an advanced journey level classification with specialization in irrigation systems. Positions at this level are distinguished by the level of responsibility assumed, and the complexity of the duties assigned. Incumbents perform difficult and responsible types of technical duties and are required to be fully trained in all procedures relating to assigned area of responsibility. Incumbents may exercise technical supervision over other maintenance personnel as assigned.

EXAMPLES OF DUTIES (Illustrative Only)

- Performs daily inspection and preventive maintenance of the city's irrigation systems; identifies any safety or repair issues
- Installs, maintains and repairs irrigation systems; changes and adjusts heads and maintains controllers
- Monitors soil moisture and effectiveness of irrigation systems
- Installs and/or inspects backflow devices; inspects as necessary to ensure proper operation
- Monitors and controls computerized irrigation systems
- Works effectively with contractors on city-approved irrigation projects; seeks bids and/or estimates for proposed projects
- Designs small irrigation systems
- Plans and recommends materials needed for work projects; orders approved supplies and materials
- Prepares and maintains maintenance logs of work performed
- Coordinates, assigns and reviews the work of assigned maintenance personnel

QUALIFICATIONS

Knowledge of

- Tools, equipment, and materials used in commercial irrigation applications
- Applicable codes, regulations, and safety orders
- Occupational hazards and safety precautions of maintenance work

- Principles of water conservation and usage relating to commercial irrigation systems
- Basic horticulture techniques
- Basic maintenance and repair of hand tools and equipment used in irrigation maintenance work
- Basic arithmetic
- Principles of training and directing subordinate staff
- Personal computer hardware and software applications relating to irrigation systems
- Safe work practices

Skill in

- Understanding and carrying out oral and written instructions
- Learning pertinent rules, laws and regulations related to assigned activities
- Organizing work activities, meeting deadlines and completing work accurately
- Reading and understanding construction drawings as they relate to irrigation systems
- Preparing and developing cost estimates and project budget figures
- Maintaining records and preparing work and time reports for areas of responsibility
- Working with contractors on city-approved projects
- Safely and effectively using and operating tools and equipment as required
- Maintaining efficient and effective irrigation systems using principles of water conservation
- Performing mathematical calculations
- Inspecting irrigation systems and correcting or repairing as necessary
- Utilizing a computerized system for monitoring and controlling irrigation systems
- Performing tasks independently with minimal supervision
- Communicating clearly and concisely both orally and in writing
- Establishing and maintaining effective working relationships with those contacted in the course of work

A typical way of gaining the knowledge and skills outlined above is:

- Equivalent to the completion of the 12th grade, and four (4) years of responsible landscape/irrigation, public works or parks maintenance experience, with experience in design and/or maintenance of irrigation systems. Certified Landscape Irrigation Auditor certificate and Backflow Prevention Tester certificate highly desirable.

LICENSES AND CERTIFICATES

Possession of a valid California driver's license.

Within two years of appointment, must obtain a Certified Landscape Irrigation Auditor certificate and a Backflow Prevention Tester certificate.

PHYSICAL DEMANDS

Mobility to traverse sometimes uneven terrain, periodically standing, stooping, bending, climbing, kneeling, twisting and reaching to perform inspection and maintenance activities; vision to read handwritten and printed materials and a computer screen; color vision to inspect electrical wiring; hearing and speech to communicate in person and by telephone; manual dexterity to operate tools, cameras, computers, and to grasp tools, and inspect electrical devices; ability to lift and carry items weighing up to 50 pounds such as tools, equipment, files, books or boxes of paper for distances up to 100 feet. Requires working in exposure to various weather conditions and operating a vehicle.

FLSA: NE

This job specification should not be construed to imply that these requirements are the exclusive standards of the position. Not all duties are necessarily performed by each incumbent. Additionally, incumbents may be required to follow any other instructions and to perform any other related duties as may be required by their supervisor.